



Brigade Combat Team Program Update



Combat Vehicle Conference

21 March 2002

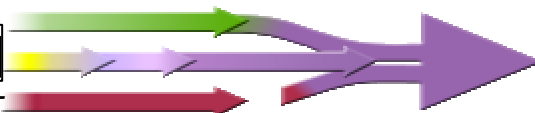
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Vanguard For Army Transformation



PM BCT









Points of Discussion

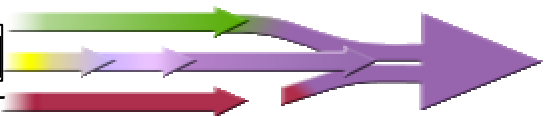


Schedule
Transportability
Armor

Vanguard For Army Transformation



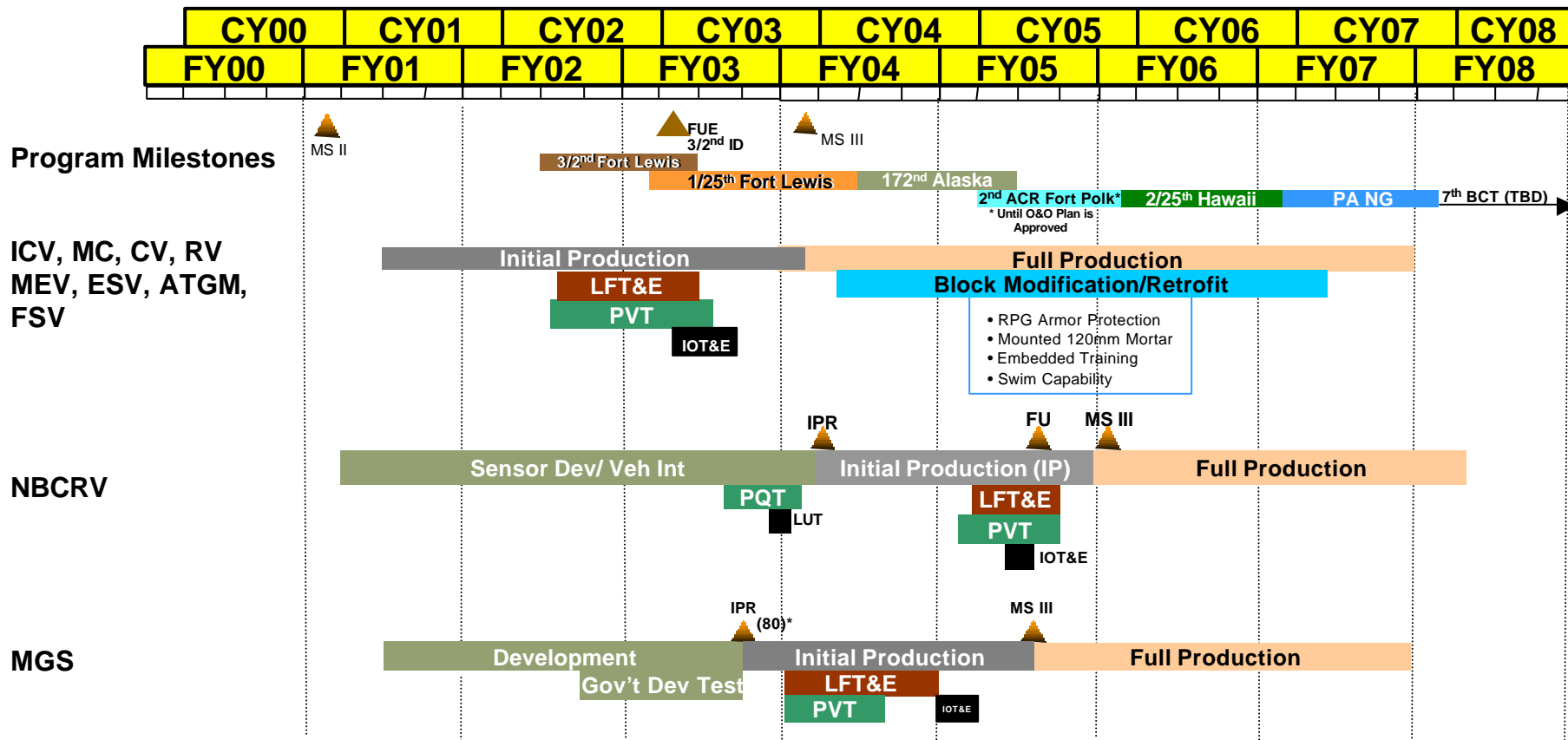
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Integrated Program Schedule

(February 2002)



Vanguard For Army Transformation





Contingency Force Build Up



▲ = Fielded, Trained, & Deployable



*Bde Hqs &
Spt Units*
May 02

In Co
Aug 02

In Bn TF
Oct 02

Recce Trp
Nov 02

In Bn TF
Dec 02

RSTA TF
Dec 02

Eng Co
Dec 02

In Bn TF
Mar 03

*IBCT
Baseline
May 03
IOC*

★ = Azimuth Check

Test Vehicles
(Available Approx. 30 Days After Government Acceptance)

Baseline Program	4	17	5	5	10	10	Total - 51	Test Vehicles
Contingency Force	4	1	1	1	1	24	6 Total - 38	Test Vehicles



2002

Time

2003

6

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Contingency Force Production Schedule



2002

2003

DD250	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
ICV		4	16	23	21	16	21	19	15	15		9	7
RV						5	20	23	9				9
MC			1	9	10	23				4		4	
CV				5	8	8	7	2	11				
ESV							5	9		5			3
MEV									5	8	11		3
ATGM									5	13	23	11	
FSV									5	7	9	6	
NBCRV													
MGS													
Total		4	17	37	39	52	53	53	50	52	43	30	22
Cum		4	21	58	97	149	202	255	305	357	400	430	452
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan

as of 5 Mar 02

3/2 ID (-) Bde FUE - Testing Block 1 - Testing Block 2 - IOTE (1/25 ID) - 1/25 ID - TRADOC - Logistics
 (Limited PVT & LFTE) (On Going PVT & LFTE)

Dates Reflect Gov't Acceptance at the Production Plant. Shipping, Deprocessing and New Equipment Training (NET) must be added.

MC 02 24 Jul-15 Aug
 IOTE Feb- May 03



C-130 Transportability



Army Requirements

- IAV Must be Transportable in a C-130 Aircraft and capable of Immediate Combat Operations.



Air Force Requirements

- Max Vehicle Weight is 38,000 lbs with Max Axle Weight of 13,000 lbs.
- Passenger Safety Aisles are to be 14" of Clearance on Each Side of Vehicle

Path Forward

- PM-BCT Ramp Test @ APG mid-April 02 on ICV
- MTMC and Air Force Preparing Interim Approval for ICV Transport on C-130. Target approval date is late Apr '02.
- Final Certification to be Conducted in May '02.



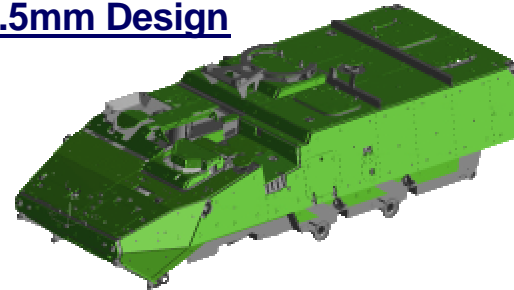
14.5mm Integral Armor



Requirement

- 360 Degree Squad and Crew Protection from 14.5mm Armor Piercing Round at Classified Range
- To be validated against U.S. 14.5mm Surrogate for Russian B32 Round

14.5mm Design



- Consists of Composite/Ceramic Module (1") bolted to Hull Structure (1/4" high hard)

Status

- In Jan 02, demonstrated improved design made with higher density ceramic. (Adds 235 lbs to vehicle weight)
- JVO fabricating 14.5 mm armor coupons for Govt validation testing in mid-March

Path Forward

- JVO Plans to deliver vehicle sets of 14.5mm armor with higher density ceramic starting in April 02.
- Minimal / NO Impact to 3/2 BCT





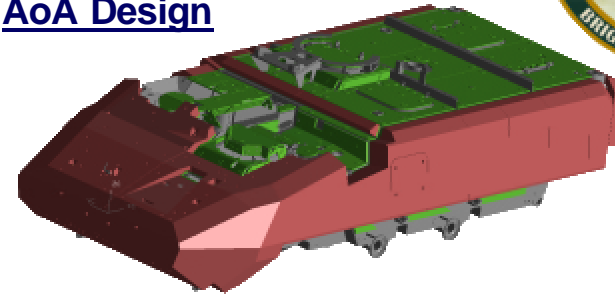
RPG Add-on Armor (AoA)



Requirement

- 360 Degree Protection Against Hand Held Heat up to RPG-7
- Armor to be Validated Against two Actual RPG-7 Threat Munitions.

AoA Design



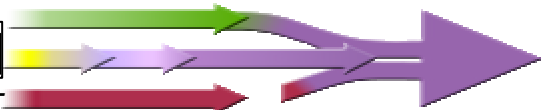
- Consists of Installing 85 Armor Modules over 14.5mm Integral Armor
- Armor is passive (non-explosive), Weighs 7500 lbs.

Status

- Initial RPG Armor Designs Performed Unsatisfactory
- Armor Sub-Contractor (IBD) Modifying Designs as Required
- IBD to Deliver 15 Armor Coupons for Test by End of Mar '02.

Path Forward

- Upon Validation, Plans are to Provide 16 Full-Up kits for LFT&E, PVT and IOT&E
- Also Investigating Surrogate kits for PVT, IOT&E and Log Demo
- RPG AoA is Block Improvement and is not intended for Production and Fielding Until IBCT-3.





STRYKER....
...Ready To Roll!



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